



# Lower Monumental Lock & Dam

**Powerhouse Capacity:** 810 Megawatts

**Location:** Snake River, River Mile 41.6

**In-Service Date:** May 1969

**Normal Operating Pool:** 537.0-540.0 feet

**Spillway:** 572 feet long, 8 gates

**Navigation Lock:** This is a single-lift lock, 86 feet wide by 666 feet long and a 100-foot vertical lift. More than 3.1 million tons of commodities were passed through the navigation lock during 2004. The cargo primarily consisted of grains, petroleum products, fertilizer and wood products.

**Authorization:** The project was authorized by the River & Harbor Act of 1945.



**Progress:** Construction of the project began in June 1961, and the project became operational in 1969. The entire project is considered complete. Construction of the additional generating units started in 1975, and was completed in 1981.

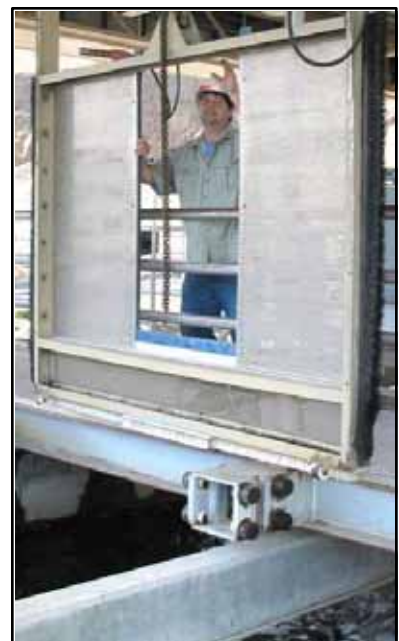
**Project:** The project includes Lower Monumental Dam, powerhouse, navigation lock, two fish ladders, and appurtenant facilities providing for navigation, hydroelectric generation, recreation, and incidental irrigation.

**Lower Monumental Dam:** The dam is located at the head of Lake Sacajawea, the reservoir created by Ice Harbor Dam. It is 3,791 feet long, with an effective height of about 100 feet. The dam is a concrete gravity-type dam, with short earthfill abutment embankments.

**Reservoir:** Lake Herbert G. West extends up the Snake River for a distance of 28.1 miles to the tailwater of Little Goose Dam. It has a surface area of 6,590 acres

**Generators:** The powerhouse has six 135,000-kilowatt units. Power generated during fiscal year 2005 was 2.05 billion kilowatt hours.

**Fish Passage:** There are two fish ladders for migrating salmon and steelhead to use.



**Lands:** There are 8,335.5 acres of project lands surrounding Lake Herbert G. West. There are 7,024.0 acres of Corps-managed lands that are utilized for public recreation purposes, wildlife habitat, wildlife mitigation, and water-connected industrial development. Lake West offers seven day-use areas, five areas offering camping, five boat launch areas, and one designated swimming beach. Total visitation on Lake West for the during 2005 visitation at Lower Monumental's recreation areas was 132,360.

**People:** About 50 Walla Walla District employees work at the Lower Monumental Project. They serve as electricians, lock operators, mechanics, welders, riggers, painters, utilitymen, heavy equipment operators, biologists, park rangers, environmental resource specialists, administrative support staff, maintenance workers and engineers. Together, they ensure the safe and continuous operation of the project.



**Budget:** During fiscal year 2005, total expenditures were about \$8.8 million for the Lower Monumental Project.

**References:** Report of the Secretary of the Army on Civil Works Activities, Fiscal Year 2005, Department of the Army Corps of Engineers Extract Report of the Walla Walla District.



**For more information contact:**

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